

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>HANYOU CHU</td> <td>09/17/2007</td> </tr> <tr> <td>SHIFANG LI</td> <td>09/13/2007</td> </tr> <tr> <td>MANUEL MADRIAGA</td> <td>09/14/2007</td> </tr> </tbody> </table>		Name	Execution Date	HANYOU CHU	09/17/2007	SHIFANG LI	09/13/2007	MANUEL MADRIAGA	09/14/2007
Name	Execution Date								
HANYOU CHU	09/17/2007								
SHIFANG LI	09/13/2007								
MANUEL MADRIAGA	09/14/2007								
RECEIVING PARTY DATA									
Name:	Tokyo Electron Limited								
Street Address:	3-6 Akasaka 5-chome								
City:	Minato-Ku Tokyo								
State/Country:	JAPAN								
Postal Code:	107-8481								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11859669</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11859669				
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Application Number:	11859669								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	Manuel Barroga Madriaga								

Total Attachments: 3
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500359779

**PATENT
 REEL: 019862 FRAME: 0678**

CH \$40.00 11859669

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, I/we, **SHIFANG LI**, hereby assign to Tokyo Electron Limited, a Corporation of Japan and having a place of business at TBS Broadcast Center, 3-6 Akasaka 5-chome, Minato-Ku, Tokyo 107-8481 JAPAN, and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of an application of United States Patent entitled **AUTOMATED PROCESS CONTROL OF A FABRICATION TOOL USING A DISPERSION FUNCTION RELATING PROCESS PARAMETER TO DISPERSION**, and filed on September 21, 2007 as Patent Application No. **11 859 669** preparatory to obtaining Letters Patent of the United States therefore, this assignment including said application, any continuation, division or continuation-in-part thereof and/or substituted therefore, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment. I hereby authorize and request that any one of the attorneys or agents of Tokyo Electron U.S. Holdings, 2400 Grove Boulevard, Austin, Texas 78741, to insert herein the filing date and application serial number of said application when known.

Inventor's Signature: Shifang Li Date: 9/13/07
Full Name: SHIFANG LI
Residence: 5043 Rigatti Circle, Pleasanton, CA 94588

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, I/we, **HANYOU CHU**, hereby assign to Tokyo Electron Limited, a Corporation of Japan and having a place of business at TBS Broadcast Center, 3-6 Akasaka 5-chome, Minato-Ku, Tokyo 107-8481 JAPAN, and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of an application of United States Patent entitled **AUTOMATED PROCESS CONTROL OF A FABRICATION TOOL USING A DISPERSION FUNCTION RELATING PROCESS PARAMETER TO DISPERSION**, and filed on **September 21, 2007** as Patent Application No. **1185966A** preparatory to obtaining Letters Patent of the United States therefore, this assignment including said application, any continuation, division or continuation-in-part thereof and/or substituted therefore, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment. I hereby authorize and request that any one of the attorneys or agents of Tokyo Electron U.S. Holdings, 2400 Grove Boulevard, Austin, Texas 78741, to insert herein the filing date and application serial number of said application when known.

Inventor's Signature: _____

Date: _____

Full Name: HANYOU CHU

Residence: 4154 Frandon Ct, Palo Alto, CA 94306

TTI-178

PATENT
REEL: 019862 FRAME: 0681

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, I/we, **MANUEL MADRIAGA**, hereby assign to Tokyo Electron Limited, a Corporation of Japan and having a place of business at TBS Broadcast Center, 3-6 Akasaka 5-chome, Minato-Ku, Tokyo 107-8481 JAPAN, and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of an application of United States Patent entitled **AUTOMATED PROCESS CONTROL OF A FABRICATION TOOL USING A DISPERSION FUNCTION RELATING PROCESS PARAMETER TO DISPERSION**, and filed on **September 21, 2007** as Patent Application No. **11859669** preparatory to obtaining Letters Patent of the United States therefore, this assignment including said application, any continuation, division or continuation-in-part thereof and/or substituted therefore, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment. I hereby authorize and request that any one of the attorneys or agents of Tokyo Electron U.S. Holdings, 2400 Grove Boulevard, Austin, Texas 78741, to insert herein the filing date and application serial number of said application when known.

Inventor's Signature: _____

Date: _____

Full Name: MANUEL MADRIAGA

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TTI-178

PATENT

RECORDED: 09/21/2007

REEL: 019862 FRAME: 0682